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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/599,651	07/13/2007	Eiju Suzuki	Q97624	2296
23373 7590 11/10/2008 SUGHRUE MION, PLLC 2100 PENNSYLVANIA AVENUE, N.W.			EXAMINER	
			HUHN, RICHARD A	
SUITE 800 WASHINGTON, DC 20037			ART UNIT	PAPER NUMBER
			4131	
			MAIL DATE	DELIVERY MODE
			11/10/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/599,651	SUZUKI ET AL.			
Office Action Summary	Examiner	Art Unit			
	RICHARD A. HUHN	4131			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
Responsive to communication(s) filed on 13 Ju This action is FINAL . 2b) ☑ This Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro				
Disposition of Claims					
4) ☐ Claim(s) 1-25 is/are pending in the application. 4a) Of the above claim(s) is/are withdray 5) ☐ Claim(s) 2-5,10,15-20 and 22-25 is/are allowed 6) ☐ Claim(s) is/are rejected. 7) ☐ Claim(s) 1,6-9,11-14 and 21 is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	vn from consideration. d.				
9)⊠ The specification is objected to by the Examine	r				
10) The drawing(s) filed on is/are: a) access applicant may not request that any objection to the confidence of th	epted or b) objected to by the Edrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). sected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 04 October 2006.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	nte			

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DETAILED ACTION

Specification

1. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

The following title is suggested: Silyl-diamine Initiators for Anionic Polymerization of 1,3-Butadiene and Styrene, and Rubber Compositions.

2. The disclosure is objected to because of the following informalities: There are numerous spelling errors. Most of these errors have been duplicated in the claims. While the spelling errors in the claims are enumerated below, please check the remainder of the document for spelling errors.

Appropriate correction is required.

Claim Objections

- 3. Claims 6, 8, 9, 11 and 13 are objected to because of the following informalities:
- These claims contain the following spelling errors:
 - a. Claim 6: "Mooney" is misspelled as "Moony"
 - b. Claim 8: "carbanion" is misspelled as "carbanoin"
 - c. Claim 9: The following compound names are misspelled:

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- i. 4-me**tl**aminobenzaldehyde
- ii. N,N-dimethylacetoamide
- iii. N,N-ethylacetoamide
- iv. 1,3-dimethyl-2-imidazoyldinone
- v. N-methylpy**r**olidone
- vi. ph**ey**lisocyanate
- vii. ph**ey**lthioisocyanate
- d. Claim 11: hdrocarbyloxysilane is misspelled
- e. Claim 13: "meaning" is misspelled as "mining"
- 4. Claims 1, 7, 12, and 14 are objected to because of the following informalities:
 - f. Claims 1 and 7: For consistency with the formula and chemistry disclosed, "an alkaline earth metal" should be "a salt of an alkaline earth metal".
 - g. Claim 12: The claim appears to be intended to be dependent upon another claim, as evidenced by the word "further." As written, the claim reads extremely broadly upon a modified conjugated diene polymer, and does not require that formula (I) be a component of said polymer. Also, the claim is written as a process, although a product is being claimed. A suggested correction follows:
 - viii. The first two lines of the claim should read: "A modified conjugated diene polymer characterized by the further modifying modification of a...".
 - h. Claim 14: The claim is written as a process, although a product is being claimed. A suggested correction follows:

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ix. The first line of the claim should read: "A polymerization initiator

solution characterized by adding resulting from the addition of a".

x. The last two lines of the claim should read: "and adding the

subsequent addition of an organic alkali metal compound or an organic

alkaline earth metal compound thereto."

i. Claim 21: The claim is written as a process, although a product is being

claimed. A suggested correction follows:

xi. The first line of the claim should read "A rubber composition

characterized by as including a".

5. Appropriate correction is required.

Allowable Subject Matter

6. Claims 2-5, 10, 15-20, and 22-25 are allowed. Claims 1, 6-9, 11-14, and 21 will

be in condition for allowance when the informalities above are corrected. The following

is a statement of reasons for the indication of allowable subject matter: The prior art fails

to disclose or suggest the claimed conjugated diene polymer.

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to

applicant's disclosure.

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j. Japanese Patent Application Publication No. JP H09-208621 A discloses similar products with related nitrogen-containing catalysts.

- k. Japanese Patent Application Publication No. JP H11-228584 A discloses silyl amines as anionic initiators.
- I. US Patent Application Publication No. 2004/0241251 A1 discloses silyl-diamines for different uses.
- m. European Patent Application Publication No. 1,980,589 A1 discloses silyldiamines for post-polymerization modification (see pg 13, example 4).
- n. WO 2007034785 discloses silyl-diamines for post-polymerization modification.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to RICHARD A. HUHN whose telephone number is (571) 270-7345. The examiner can normally be reached on Monday to Friday, 7:30 AM to 5:00 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Sample can be reached on (571) 272-1376. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/David R. Sample/ Supervisory Patent Examiner Art Unit 4131

/R. A. H./ Examiner, Art Unit 4131